USS LABOON (DDG-58)

SEMAT II SHELL CONDITION ASSESSMENT SURVEY

INTERIOR AREAS

01/02/02 TO 01/11/02



PREPARED BY
SUPERVISOR OF SHIPBUILDING CONVERSION
AND
REPAIR
PORTSMOUTH, VIRGINIA
01/11/02



4646 WITCHDUCK ROAD VIRGINIA BEACH, VIRGINIA. 23455-6215 PHONE: 757-490-5000 FAX: 757-490-5027

11 JANUARY 2002 Serial # 1697 BA-026

Q.E.D. Systems, Inc. was tasked by the Supervisor of Shipbuilding Conversion and Repair, USN (SPORT) Portsmouth, VA to conduct an Ultrasonic Thickness (U/T) Survey of specific locations on board USS LABOON (DDG-58) during the period of 02 January 2002 – 11 January 2002.

The survey was conducted by Francis J. (Joe) LaRock II.

Certified Level II on 21 DECEMBER 2001.

The instrument used was a Krautkramer Branson, Model DMS-2TC.

Serial Number: 00N3V8

Calibration Date: 22 February 2001

Probes Used: TC 560

FH 2 E KBA 525

I have reviewed the results of the survey and approved of the findings. The discrepancies have been recorded on MAF's and are included in this report.

Francis J. LaRock Certified Level II 9 MARCH 2001

USS LABOON (DDG-58)

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>	AUXILIARY MACHINERY ROOM NO. 1 (4-126-0-E)	23-25
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<u>USS LABOON (DDG-58)</u> SHELL CONDITION ASSESSMENT SURVEY, INTERIOR AREAS.

A SEMAT II UNDERWATER HULL AND SUPPORTING STRUCTURE SURVEY OF INTERIOR AREAS WAS CONDUCTED ON BOARD **USS LABOON** FROM 1/3/02 TO 1/11/02 AT NAVAL STATION NORFOLK, NORFOLK VIRGINIA.

THE SURVEY WAS CONDUCTED IN ACCORDANCE WITH HULL STRUCTURE MRC 1102 USING A DELMHORST BD 2100 MOISTURE METER AND A KRAUTKRAMER BRANSON MODEL DM2TC ULTRASONIC TEST INSTRUMENT SERIAL NO.00NV8 CALIBRATION DUE DATE 02/22/02.THE PROBES USED WERE KRAUTKRAMER BRANSON'S TC/560, FH2E AND KBA 525.

THE MOST CRITICAL AREA NOTED WAS IN MAIN ENGINE ROOM NO. 1. A COMBINATION OF TRAPPED WATER AND CLEANING GEAR STORED ON THE STRINGERS HAS SEVERELY DETERIORATED THE WELD JOINING THE STRINGER TO THE SHELL PLATING. ADDING WEEP HOLES TO THE STRINGERS AND STORING THE CLEANING GEAR ELSEWHERE WILL REDUCE THE POSSIBILITY OF FUTURE CORROSION. THE NUMEROUS EQUIPMENT DRAINS PIPED DIRECTLY TO THE TANK TOPS IN THE ENGINEERING SPACES CREATE AN ONGOING CORROSION PROBLEM.

THE SURVEY RESULTS SECTION CONTAINS A TABLE OF UNSATISFACTORY AREAS WITH THE (JSN'S) FROM THIS SURVEY AND (CSMP JSN'S) PREVIOUSLY SUBMITTED. A MATERIAL CONDITION ANALYSIS FORM (MCA) WAS SUBMITTED FOR AREAS WHERE NO WORK WAS REQUIRED. A (DDG-51) CLASS STRUCTURAL ASSESSMENT MATRIX IS LOCATED IN THE FINAL SECTION.THESE ARE SPACES LOCATED AT THE WATER LINE AND BELOW.

$\frac{USS\;LABOON\,(DDG\text{-}58)\;STRUCTURAL\;INSPECTION\;RESULTS}{UNSATISFACTORY\;AREAS}$

LOCATION	AREA	RESULTS
5-300-01-E	PORT SIDE, PORT SHELL, 1 ST AND 2 ND	CORROSION AND PAINT
A/C MACHINERY AND	STRINGERS UP FROM MARGIN	SEPARATION ON SHELL,
PUMP ROOM	PLATE AND BILGES UNDER PORT	STRINGERS AND IN BILGES
(CSMP / JSN-A064)	SHAFT APPROXIMATELY 20' AFT OF	
	BHD (300)TO APPROXIMATELY 4'	
	FWD OF BHD (338)	
4-254-0-E	STBD SIDE, L/L SHELL AND MARGIN	APPROXIMATELY 8 SF OF
MAIN ENGINE ROOM NO.2	PLATE UNDERNEATH NO. 2 FUEL	MILD CORROSION / PAINT
(JSN-A101)	TRANSFER HEATER AND NO. 2 FUEL	SEPARATION ON SHELL
	TRANSFER PUMP.	AND MARGIN PLATE
4-254-0-E	PORT SIDE, SHELL APPROXIMATELY	CORROSION AND PAINT
MAIN ENGINE ROOM NO. 2	5' TO 8' AFT OF BHD (254) BETWEEN	SEPARATION ON SHELL
(CSMP / JSN-A030)	INNER BOTTOM TANKS	SEI ARATION ON SHEEL
4-254-0-E	APPROXIMATELY 24' INBOARD OF	CORROSION AND PAINT
MAIN ENGINE ROOM NO. 2	STBD SHELL BY LUBE OIL SERVICE	SEPARATION ON COLUMN,
(CSMP / JSN-A030)	PUMP NO. 2A FWD OF BHD (254) AND	SHELL, WEB AND FLANGE.
	BOTTOM 4" OF WEB AND FLANG	SHELL, WED AND FLANCE.
	FWD OF BHD (254)	
4-254-0-E	APPROXIMATELY 5' AFT OF BHD	CORROSION AND PAINT
MAIN ENGINE ROOM NO. 2	(254) AND 9' INBOARD OF STBD	SEPARATION ON SHELL
(CSMP / JSN-A032)	SHELL AT L/L GRATING OF S/W	SEPARATION ON SHELL
	COOLING SUPPLY FOR SSGTG NO. 2	
4 220 0 E		CODDOCION AND TO ADDED
4-220-0-E AUXILIARY MACHINERY	TANK TOP AFT OF A/C PLANT NO. 2	CORROSION AND TRAPPED
ROOM NO. 2	AND OUTBOARD OF A/C PLANT NO.	WATER
(CSMP / JSN-1426)	2	
4-174-0-E	PORT SIDE, L/L WHERE 2 ND	DEEP WASHOUT OF WELD
MAIN ENGINE ROOM NO. 1	STRINGER FROM MARGIN PLATE	AND HEAVY PITTING ON
(JSN-A102)	MEETS SHELL PLATE	SHELL AT 2 ND STRINGER UP
	APPROXIMATELY 1' AFT OF WEB	FROM MARGIN PLATE U/T
	FRAME (180). STRINGERS	READINGS ARE BELOW THE
	OUTBOARD AND BELOW POWER	25% WASTAGE CRITERIA.
	PANEL (4-181-2) AND OUTBOARD	3 RD AND 4 TH STRINGERS UP
	AND BELOW DISTILLED WATER	HAVE CORROSION AND
	COLLECTING TANK	PAINT SEPARATION.
4-174-0-E	PORT SIDE, TANK TOP	APPROXIMATELY 10 SF OF
MAIN ENGINE ROOM NO. 1	UNDERNEATH SW COOLING PUMP	TRAPPED WATER,
(JSN- A104)	NO. 2 AND FIRE PUMP NO. 3	CORROSION AND PAINT
		SEPARATION
4-126-0-E	TANK TOP UNDER A/C PLANT NO. 1	NUMEROUS DRAINS ARE
AUXILIARY MACHINERY	BELOW (HD-1140 / SPY 1D) WATER	PIPED DIRECTLY ON TO
ROOM NO. 1	COOLER AND ON TANK TOP AT	TANK TOP CAUSING
(CSMP / JSN-1623)	BILGE EDUCTOR.	CORROSION IN ENTIRE
		SPACE
3-370-0-E	STBD SIDE, BILGES AT BHD (370) TO	NUMEROUS DRAINS ARE
NO. 3 GENERATOR ROOM	APPROXIMATELY 7' AFT OF BHD	PIPED DIRECTLY ON TO
(CSMP / JSN-1119)	(370) AND TANK TOP / DECK.	TANK TOP CAUSING
	DRAINS PIPED DIRECTLY INTO	CORROSION IN ENTIRE
	BILGE	SPACE APPROXIMATELY
		40 SF

USS LABOON (DDG-58) STRUCTURAL INSPECTION RESULTS SATISFACTORY AREAS

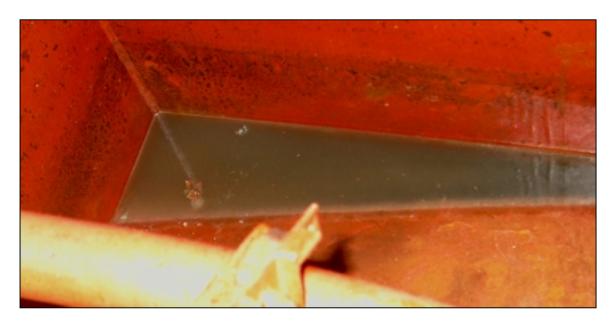
LOCATION	SPACE DESIGNATION	MCA SUBMITTED
3-18-0-Q	SONAR EQUIPMENT ROOM 3	YES
3-39-1-T	ACCESS TRUNK	YES
3-42-0-M	5/54 PROJECTILE MAGAZINE	YES
3-42-2-M	W/P MAGAZINE	YES
3-62-1-M	POWDER MAGAZINE NO.1	YES
3-68-2-M	POWDER MAGAZINE NO.2	YES
3-78-1-A	CPO BAGGAGE ROOM	YES
3-78-2-A	CREW BAGGAGE ROOM	YES
3-97-1-T	ACCESS TRUNK	YES
3-97-02-L	CREW LIVING SPACE	YES
3-116-1-T	ACCESS TRUNK	YES
3-126-2-Q	POWER SUPPLY CONVERTER ROOM	YES
3-158-3-T	ACCESS TRUNK	YES
3-164-4-T	ACCESS TRUNK	YES
3-220-01-A	SUPPLY DEPARTMENT STOREROOM NO.1	YES
3-220-2-Q	SUPPLY SUPPORT CENTER	YES
3-300-1-L	CREW LIVING SPACE NO.4	YES
3-300-2-L	WR/WC/SHOWER	YES
3-310-2-L	CREW LIVING SPACE NO.5	YES
3-325-1-L	WR/WC/SHOWER	YES
3-338-1-L	CREW LIVING SPACE NO. 6	YES
3-338-2-L	CREW LIVING SPACE NO. 7	YES
3-338-5-L	WR/WC/SHOWER	YES
3-338-6-L	WR/WC/SHOWER	YES
4-22-0-L	PASSAGEWAY	YES
4-42-0-Q	SONAR COOLING EQUIPMENT ROOM	YES
4-94-0-C	IC/GYRO ROOM NO.1	YES
4-110-0-E	VCHT ROOM	YES
4-110-1-L	PASSAGEWAY	YES
4-370-5-A	SUPPLY DEPARTMENT STOREROOM NO.3	YES
4-370-6-A	SUPPLY DEPARTMENT STOREROOM NO.4	YES
4-410-1-A	HAZARDOUS ISSUE ROOM	YES
4-410-2-A	BOSN STOREROOM NO. 3	YES
4-426-0-A	CHEMICAL DEFENSE EQUIPMENT ROOM	YES
4-442-0-E	STEERING GEAR ROOM	YES

ITEM NUMBER								SHIP USS LABOON (DDG-58)						
SYSTEM				SWBS 50	EIC	: A7000	20	APL		V C	YSTEMS		RIN	
HULL DECKS EQUIPMENT NAME			10	IDENT/SERIA	\L	A70000		ATION		_	RK CENTER		JSN	
BILGES				NONE				5-300-01-	-E		EMO2		A064	
EQUIPMENT ST	ATUS		PR	OBLEM STATU	IS				CATE	GOR'	Y		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEM 4. TNC - TEST NOT COMPL 5. NOB - EQUIPMENT NOT (PTED ETED	D	2. A - 3. T - 4.S -	CORRECTED AWAITING PARTS AWAITING TECH AS SHIP'S FORCE ORRECTED PROBLE		1. S - PERSO 2. Z - EQUIP 3. H – HARD 4. D - DOWN 5. L - LIMITE	MENT SAFI WARE							
TYPEAVAILABILITY	II	EN TO B OMPLIS		STATU	ıs		C/	AUSE		DEFERRAL REASON				
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY					3. LACK OF 4. COMMUN	"URER/INS" KNOWLEDO ICATION PI ATE INSTR ATE DESIG WEAR AND	TALLATION DE GE ROBLEMS UCTION/PROC	2. 3. 4. 5. 6. 7. 8. 9.	S./F BACKLOG/OPERATIONAL PRIORTY LACK OF MATERIAL NO FORMAL TRAINING ON THIS EQUIPMENT FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT INADEQUATE SCHOOL PRACTICAL TRAINING LACK OF FACILITIES/CAPABILITIES NOT AUTHORIZED FOR SY FACCOMPLISHMENT FOR SY OVERHAUL OR AVAILABILITY WORK LIST JLACK OF TECHNICAL DOCUMENTATION OTHER OR NOT APPLICABLE				
MAN HRS EXPENDED	AN HRS EXPENDED MAN HRS REMAINING						ION TAK	ŒN		S/F	MANHOURS	F	PRIORTY	
2. SERIOUS - SUSPENSION O 3. SERIOUS - WAVIER OF EQI 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL	- CORRECT AS SOON AS POSSIBLE 2. SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. WAVIER OF EQUIPMENT/SYSTEM 5. INDICATE OF EQUIPMENT/SYSTEM 6. INDICATE OF EQUIPMENT/SYSTEM 6.						N COMPLET N COMPLET AL WILL BE N COMPLET DESCRIBE	TED: NO PART E REMOVED F TED: 3-M CAPA I IN REMARKS	ED PARTS N TS REQUIRE FROM CSMP ABILITY UTIL S/DESCRIPTI	OT DRA' D LIZED ON SEC	WN FROM SUPPLY	2 3 4	. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE	
METAL, PRIME A						UNDER	DRIP	PAN. A	VVV 2U	IFS I	FORCE TO CLEAN	1101	OAKE	
CSMP SUMMARY: TRAPPED WATER	D IN I	SII CES	S AND C	OPPOSION (M SHEI	Ţ					TEST#			
ROOT CAUSE/AMP				OKKOSION (JN SHEL	<u>L</u>					STEP#			
SYSTEM LEVEL IM	IPAC1	<u> </u>												
TECHNICIAN MAR 2-KILO IS:			IATE BLO	OCKS:		U	IPLOAI	O VALIDA YES	ATION II	NFOR	RMATION / CORREC	TIONS	S TO SNAP:	
X REWRITE () FOUND COI COMPLETE CANCEL (W NOT VALID	VALID (NO CORRECTIONS) X REWRITE (VALID) FOUND COMPLETE COMPLETED BY SEMAT CANCEL (WORK NOT REQUIRED) NOT VALIDATED							NO						
				RA1 GSN			PH	IONE						
BLUEPRINTS: TECH MANUALS, PLANS, ETC.									- 1			ON BRD YES NO		
ASSESSOR: J. LAROCK QED SYSTEMS INC.						TD	TL		L	.OGIS	STICIAN		PAGE NO	
CODE PHONE: 757-490-5047														

<u>USS LABOON (DDG-58)</u> <u>A/C MACHINERY / PUMP ROOM (5-300-01-E)</u> <u>PORT SIDE</u>



PORT SHAFT AT BHD (338) , CORROSION WAS FOUND ON SHELL FROM BHD (338) TO APPROXIMATELY 20' FWD. (CSMP / JSN-A064)



TRAPPED WATER AND CORROSION IN BILGE UNDER PORT SHAFT LOOKING INBOARD.

MATERIAL ASSESSMENT FORM

ITEM NUMBER						SHIP						
								USS LABOON (D				
SYSTEM SHELL & SUPPORT	TING STRUCTURE	ESWBS 11011	EIC	A100		APL	X-5	SYSTEMS	F	RIN N/L		
EQUIPMENT NAME	440000	IDENT/SERIAL			LOCAT			RK CENTER	J	SN		
HULL STRUCTURE EQUIPMENT STATUS		PROBLEM STATUS	N/A			4-254-0-E	CATEGORY	EMO2		A101 EOC		
				4.C. DEDCOM	IEL CAEET)	,	OATEGORT	A D. DOWN		200		
1. SAT - SATISFACTOR 2. UNSAT - UNSATISFAC 3. TNA - TEST NOT ATI 4. TNC - TEST NOT COI 5. NOB - EQUIPMENT NOT	CTORY FEMPTED MPLETED	1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH AS 4.S - SHIP'S FORCE *UNCORRECTED PROBLEI		1. S - PERSONN 2. Z - EQUIPME 3. H – HARDV	NT SAFET			4. D - DOWN 5. L - LIMITED		.9		
TYPEAVAILABILITY	WHEN TO BE	STATUS	VIO	CAUSE				DEFERRAL REASON				
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	ACCOMPLISHED 1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3.PIROR TO NEX DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	3. REDUCED CAPAB 4. NOT APPLICABLE	ILITY	ABNORMAL I MANFACTUR LACK OF KN COMMUNICA INADEQUATI NORMAL W NOT APPLICA	1. S/F BACKLOG/OPERATIC 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON " 4. FORMAL TRAINING INADEQ EQUIPMENT 5. INADEQUATE SCHOOL PRAC 6. LACK OF FACILITIES/CAPAB 7. NOT AUTHORIZED FOR S/F 8. FOR S/F OVERHAUL OR AVALIST 1. LACK OF TECHNICAL DOCUI 10. OTHER OR NOT APPLICABLE	N THIS EQUIPMENT EQUATE IN THIS ACTICAL TRAINING ABILITIES F ACCOMPLISHMENT VAILABILITY WORK TUMENTATION USE						
MAN HRS EXPENDED	MAN HRS RE	MAINING 40	COMPLETE	ED ACTION TAKE	EN		S/F	MANHOURS	P	PRIORTY		
3. SERIOUS - WAVIER (4. SAFETY ITEM - MINO 5. COMBUSTIBLE MATE	ION OF EQUIPMENT/SYST DF EQUIPMENT/SYSTEM DR RIAL		2. MAINTEN 3. MAINTEN 4. CANCELL 5. MAINTEN 6. NONE OF	NANCE ACTION CO NANCE ACTION CO LED - DEFERRAL W NANCE ACTION CO F THE ABOVE, DES	OMPLETED: OMPLETED: /ILL BE REI OMPLETED: SCRIBE IN I	PARTS DRAWN FR REQUIRED PARTS NO PARTS REQUII MOVED FROM CSM 3-M CAPABILITY L REMARKS/DESCRIP	NOT DRAWN I RED P JTILIZED PTION SECTION	ı	2 3	. MANDATORY ESSENTIAL B. HIGHLY DESIRABLE DESIRABLE		
							`	1-254-0-E) ENGINE RO				
					V PLA	TE UNDER	NEATH	NO. 2 FUEL TRANS	SFER I	HEATER		
AND NO. 2 FU	EL TRANSFER I	PUMP APPROXIM	ATELY	8 SF.								
RECOMMENDE		CLEAN AREA TO B	ADE ME	TAI DRIN	/E AN	D DAINT A	DDB () Y	IMATELV 8 SE				
RECOMMEND	SIII S FORCE C	LEAN AREA TO E	OAKE WIE	IAL, I KIIV	IL AIN	DIAMI	MI I KOA	IWATELI 6 SF.				
SSPORT C221	POC: B. WILLIA	MS (757) 396-4001	I EXT 216	66, TPOC:	C. BU	CK 396-40	01					
CSMP SUMMA	ΔRY·							TEST#				
		/ MARGIN PLATE	. STBD SI	IDE L/L				MRC 1102/1				
	AMPLIFICATION							STEP#				
H1								1,2,3,4 & 5				
SYSTEM LEVEL	IMPACT:											
PART NO.		NOMEMCLA ⁻	TIIDE			QTY	NSN			COST		
		NUMERICLA	IUNE			QIT	NON			0031		
1							1					
2												
3							<u> </u>					
4							<u> </u>					
5												
6												
FIRST CONTAC MANN	T RATE		ND CONTA MBRACK	ACT		RATE DC1	PI	HONE				
ASSESSOR / ACT J. LaROCK/ T.		ED SYSTEMS INC.		TD		TL	LOGIS	STICIAN		TSP		

<u>USS LABOON (DDG-58)</u> <u>MAIN ENGINE ROOM NO. 2 (4-254-0-E)</u> <u>STARBOARD SIDE LOWER LEVEL</u>



CORROSION ON SHELL PLATE UNDERNEATH NO. 2 FUEL TRANSFER HEATER



CORROSION ON SHELL AND MARGIN PLATE UNDERNEATH NO. 2 FUEL TRANSFER PUMP.

ITEM NUMBER							SHIP USS LABOON (DDG-58)						
SYSTEM HULL DECKS	<u> </u>			SWBS	EIC	0000		APL		901	DG59100		RIN
EQUIPMENT NAME	TINO O	TDUOT		IDENT/SERIA		0000	LOC	TION		_	RK CENTER	-	JSN
SHELL AND SUPPOR	TING S	TRUCT	UKE	SNA08	11			4-254-0-E	E		EMO2		A030
EQUIPMENT ST	ATUS		PF	ROBLEM STATU	ıs				CAT	EGOR	Y		EOC
1. SAT - SATISFACTORY 2. UNSAT: - UNSATISFACTORY 3. TNA - TEST NOT ATTEM! 4. TNC - TEST NOT COMPL 5. NOB - EQUIPMENT NOT (PTED ETED)	2. A - 3. T - 4.S -	CORRECTED AWAITING PARTS AWAITING TECH AS SHIP'S FORCE ORRECTED PROBLE	SIST*	1. S - PERSO 2. Z - EQUIPM 3. H - HARDN 4. D - DOWN 5. L - LIMITED	MENT SAFE						
TYPEAVAILABILITY		N TO B		STATU	ıs		CA	USE			DEFERRAL	REAS	ON
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	A 2. PRIOR TO NEXT 2. NON-OPERATIONA UNDERWAY 3. REDUCED CAPABI IP'S FORCE 3.PIROR TO NEXT 4. NOT APPLICABLE						ILITY 3. LACK OF KNOWLEDGE 3. NO FORMAL 1						MENT IIS AINING SHMENT WORK LIST
MAN HRS EXPENDED							ON TAKI			S/F	MANHOURS		PRIORTY
										<u> </u>			1. MANDATORY
2. SERIOUS - SUSPENSION O	JS - CORRECT AS SOON AS POSSIBLE 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN 35 SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 35. WAVIER OF EQUIPMENT/SYSTEM 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 4. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED						WN FROM SUPPLY	1	2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE				
CSMP SUMMARY:	DODI	r cibe	CHELL	AND DINED	роттом	TANIZ					TEST#		
CORROSION ON ROOT CAUSE/AMP				AND INNER	BOLIOM	IANK.					STEP#		
SYSTEM LEVEL IM	PACT												
TECHNICIAN MAR 2-KILO IS: VALID (NO C	SYSTEM LEVEL IMPACT: TECHNICIAN MARK APPROPRIATE BLOCKS: 2-KILO IS: VALID (NO CORRECTIONS)							VALID <i>A</i> /ES	ATION	INFOF	RMATION / CORREC	CTIONS	S TO SNAP:
X REWRITE (*)	MPLE D BY ORK N	TE SEMA ^T IOT REC				-		NO					
FIRST CONTACT BONUKE													
BLUEPRINTS: TECH MANUALS, PLANS, ETC.						1			-11			ON BRD YES NO	
ASSESSOR: J. LaRock QED SYSTEMS INC.						TD	TL			LOGIS	STICIAN		PAGE NO
CODE PHONE: 757-490-5047													

ITEM NUMBER									SHIP USS LABOON (DDG-58)					
SYSTEM HULL DECKS	<u> </u>			SWBS	EIC	T00000	00	APL	<u> </u>	Y-9	YSTEMS		RIN	
EQUIPMENT NAME SHELL AND SUPPOR	TINC C	CTRLICT	11	IDENT/SERIA NONE	\L	100000	_	ATION 4-254-0-E	_	_	RK CENTER EMO2	٦,	JSN A030	
SHELL AND SUFFOR	TING	STRUCT	UKE	NONE	1			4-254-0-0			EIVIOZ		A030	
EQUIPMENT ST. 1. SAT - SATISFACTORY	ATUS		PF	ROBLEM STATU	IS				CATE	EGOR'	Y		EOC	
2. UNSAT - UNSATISFACTOR' 3. TNA - TEST NOT ATTEM 4. TNC - TEST NOT COMPL 5. NOB - EQUIPMENT NOT C	PTED ETED	D	2. A - 3. T - 4.S -	CORRECTED AWAITING PARTS AWAITING TECH AS SHIP'S FORCE CORRECTED PROBLE		1. S - PERSO 2. Z - EQUIPM 3. H - HARDM 4. D - DOWN 5. L - LIMITED	MENT SAFE							
TYPEAVAILABILITY		N TO B		STATU	ıs		CA	USE			DEFERRAL I	REASC	ON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY						NOWLEDG	ALLATION DE E OBLEMS ICTION/PROC I	LACK OF MATERIAL NO FORMAL TRAINING ON THIS FORMAL TRAINING INADEQUA' EQUIPMENT INADEQUATE SCHOOL PRACTI LACK OF FACILITIES/CAPABIL NOT AUTHORIZED FOR SYA FOR SYF OVERHAUL OR AVAILA	O FORMAL TRAINING ON THIS EQUIPMENT ORMAL TRAINING INADEQUATE IN THIS QUIPMENT IADEQUATE SCHOOL PRACTICAL TRAINING ACK OF FACILITIES/CAPABILITIES OT AUTHORIZED FOR S/F ACCOMPLISHMENT OR S/F OVERHAUL OR AVAILABILITY WORK LIST ACK OF TECHNICAL DOCUMENTATION				
MANUEC EVENET								-NI		0/5	MANUACIEC	1.	1	
MAN HRS EXPENDED	, ,	MAN HR	S REMAIN	IING	COMPLE	TED ACTI	ON TAK	=N		S/F	MANHOURS		PRIORTY	
2. SERIOUS - SUSPENSION O	IOUS - CORRECT AS SOON AS POSSIBLE IOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED OUS - WAVIER OF EQUIPMENT/SYSTEM OUS - WAVIER OF EQUIPMENT/SYSTEM TTY ITEM - MINOR 2. MAINTENANCE ACTION COMPLE 4. CANCELLED - DEFERRAL WILL B 5. MAINTENANCE ACTION COMPLE						I COMPLET I COMPLET AL WILL BE I COMPLET	ED: REQUIRE ED: NO PART REMOVED FI ED: 3-M CAPA	ED PARTS N TS REQUIRE ROM CSMP ABILITY UTI	IOT DRA D LIZED	WN FROM SUPPLY	3	I. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE	
CSMP SUMMARY: CORROSION ON	CHEI	I ANI	D DII CE	ADEA							TEST#			
ROOT CAUSE/AMP				AREA							STEP#			
SYSTEM LEVEL IM	IPACT	r:												
TECHNICIAN MAR 2-KILO IS:				OCKS:		U		VALIDA YES	ATION I	NFOF	RMATION / CORREC	TIONS	S TO SNAP:	
FOUND COLUMN COMPLETE CANCEL (W NOT VALID	X REWRITE (VALID) FOUND COMPLETE COMPLETED BY SEMAT CANCEL (WORK NOT REQUIRED) NOT VALIDATED NO													
FIRST CONTACT RATE SECOND CONTACT RATE VEJAR. GSM3 FOSTER GSM1					PH	HONE								
BLUEPRINTS: TECH MANUALS, PLANS, ETC.													ON BRD YES NO	
ASSESSOR: J. LaF	Rock (QED SY	STEMS	INC.		TD	TL		L	OGIS	STICIAN	<u> </u>	PAGE NO	
CODE PHONE: 757-490-5047														

ITEM NUMBER				SHIP USS LABOON (DDG-58)								1	
SYSTEM HULL DECKS	<u> </u>			SWBS 30	EIC	A40000	20	APL		V 9	YSTEMS		RIN
EQUIPMENT NAME SHELL AND SUPPOR	TING ST	TRUCT		IDENT/SERIA NONE	.L	A40000		ATION 4-254-0-l	E	_	RK CENTER EMO2	,	JSN A032
EQUIPMENT STA	ATUS		PF	ROBLEM STATU	IS				CATE	GOR	Y		EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMF 4. TNC - TEST NOT COMPL 5. NOB - EQUIPMENT NOT C	/ PTED ETED		1. C - 2. A - 3. T - 4.S -	CORRECTED AWAITING PARTS AWAITING TECH AS SHIP'S FORCE CORRECTED PROBLE	SIST*	1. S - PERSO 2. Z - EQUIPI 3. H – HARD 4. D - DOWN 5. L - LIMITE	MENT SAFE WARE						
TYPEAVAILABILITY		N TO BI		STATU	ıs		CA	USE			DEFERRAL F	REASC)N
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY						AL ENVIRON URER/INST KNOWLEDG ICATION PR ATE INSTRU ATE DESIGN WEAR AND LICABLE	LACK OF MATERIAL NO FORMAL TRAINING ON THIS FORMAL TRAINING INADEQUAT EQUIPMENT INADEQUATE SCHOOL PRACTI LACK OF FACILITIES/CAPABILI NOT AUTHORIZED FOR S/F ACK FOR S/F OVERHAUL OR A VAILE	RMAL TRAINING ON THIS EQUIPMENT AL TRAINING INADEQUATE IN THIS MENT QUATE SCHOOL PRACTICAL TRAINING OF FACILITIES/CAPABILITIES UTHORIZED FOR S/F ACCOMPLISHMENT IF OVERHAUL OR AVAILABILITY WORK LIST DO TECHNICAL DOCUMENTATION				
MAN HRS EXPENDED								EN		S/F	MANHOURS	F	PRIORTY
2. SERIOUS - SUSPENSION O	IOUS - CORRECT AS SOON AS POSSIBLE 2. IOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED IOUS - WAVIER OF EQUIPMENT/SYSTEM 4. ETY ITEM - MINOR 5.						I COMPLET I COMPLET AL WILL BE I COMPLET	ED: PARTS D ED: REQUIRE ED: NO PART REMOVED F ED: 3-M CAPA IN REMARKS	ED PARTS NO TS REQUIRE FROM CSMP ABILITY UTIL	OT DRA D JZED	WN FROM SUPPLY	3	. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE
TO BARE METAL	., PRIN	ME AN	ND PAIN	T TO SPECI	FICATIO	NS.							
CSMP SUMMARY: APPROXIMATEL	V A SE	EOEL	ORID DAN	N DETERIOR	ΔTFD						TEST#		
ROOT CAUSE/AMP				VELLECTOR	TTLD						STEP#		
SYSTEM LEVEL IM	PACT:												
TECHNICIAN MARK APPROPRIATE BLOCKS: 2-KILO IS: VALID (NO CORRECTIONS) X. REWRITE (VALID) FOUND COMPLETE COMPLETED BY SEMAT CANCEL (WORK NOT REQUIRED) NOT VALIDATED UPLOAD VALIDATION INFORMATION / CORRECTION / YES YES NO COMPLETED BY SEMAT NO MOTOT VALIDATED							TIONS	S TO SNAP:					
FIRST CONTACT RATE SECOND CONTACT BONUKE GSM3 FOSTER					C I	RAT GSM			Ph	IONE	-11		
BLUEPRINTS: TECH MANUALS, PLANS, ETC.						- Tr	- Tr -		· ·				ON BRD YES NO
ASSESSOR: J. LaRock QED SYSTEMS INC. CODE PHONE: 757-490-5047						TD	TL		L	.OGIS	STICIAN		PAGE NO

ITEM NUMBE												
SYSTEM			E	SWBS	EIC			APL		USS LABOON (DD	3-58) RII	N
HULL DECKS EQUIPMENT NAM	ΛF			IDENT/SERIA	.L	1000	LOCA	TION		K-SYSTEMS VORK CENTER	JS	N/L N
SHELL AND SUPI		G STRUCT	TURE	1221117021111	· -			4-220-0-E		EAO1		1426
EQUIPMENT	r statu	s	P	ROBLEM STATU	IS				CATEGO	ORY	I	EOC
1. SAT - SATISFACTO 2. UNSAT - UNSATISFACTO 3. TNA - TEST NOT A	CTORY			C - CORRECTED A - AWAITING PARTS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY							
4. TNC - TEST NOT A 5. NOB - EQUIPMENT	OMPLETED)	3. T 4.S	- AWAITING FARTS - AWAITING TECH AS - SHIP'S FORCE ICORRECTED PROBLE	SSIST* 3. H – HARDWARE 4. D - DOWN							
TYPEAVAILABI LITY	I SIAI						CAL	JSE		DEFERRAL R	EASON	<u> </u>
1. DEPOT	EPOT 1. IMMEDIATELY 1. OPERATIONAL						ENVIRON			1. S/F BACKLOG/OPERATIONAL PR	RIORTY	
2. IMA 3. TECH ASSIST 4. SHIP'S FORCE	IMA 2. PRIOR TO NEXT UNDERWAY 3. PROR TO NEXT UNDERWAY 3. PROR TO NEXT DEPLOYMENT 3. REDUCED CA SHIP'S FORCE 4. DURING POST DEPLOYMENT 4. NOT APPLICA					 MANFACTU LACK OF KI COMMUNIC 	NOWLEDGE		ECTS	LACK OF MATERIAL NO FORMAL TRAINING ON THIS FORMAL TRAINING INADEQUAT		NT
5. SFWL	AVAIL	ABILITY				5. INADEQUA 6. INADEQUA 7.NORMAL W	TE INSTRUC TE DESIGN	CTION/PROCE	DURE	EQUIPMENT 5. INADEQUATE SCHOOL PRACTIO 6. LACK OF FACILITIES/CAPABILI	AL TRAINI	ING
4	DEAL	LINE DA	IE:	1		8. NOT APPLI		LAIN		7. NOT AUTHORIZED FOR S/F ACC 8. FOR S/F OVERHAUL OR AVAILA	OMPLISHN BILITY WO	
										LACK OF TECHNICAL DOCUMENOTHER OR NOT APPLICABLE	ITATION	8
MAN HRS EXPEN	MAN HRS EXPENDED MAN HRS REMAINING COMP						ON TAKE	N	S	S/F MANHOURS	PR	RIORTY
SAFETY HAZARD:						NCE ACTION						MANDATORY ESSENTIAL
1. SERIOUS - CORRECT 2. SERIOUS - SUSPENS 3. SERIOUS - WAVIER O	ION OF EQ	UIPMENT/SYS		REQUIRED	3. MAINTENA	NCE ACTION NCE ACTION ED - DEFERRA	COMPLETE	D: NO PARTS	REQUIRED	DRAWN FROM SUPPLY	D	HIGHLY DESIRABLE DESIRABLE
4. SAFETY ITEM - MINO	. SAFETY ITEM - MINOR 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION							2				
AUXILIARY M	IARY MACHINERY ROOM NO. 2 (4-220-0-E), CORROSION AND TRAPPED WATER ON TANK TOP AFT							Γ OF A/C				
										ORCE TO CLEAN TO	BARE	E METAL,
PRIME AND F	AINI	WIIH AI	NIIOWE	:AT PAINT. (N	/IPHILLIP	S-pe-AZ	21 10101	STURE	TOLER	ANT PAINT.)		
CSMP SUMMA	DV:									TEST#		
CORROSION		RAPPE	D WATI	ER ON TANK	TOP				TEST#			
ROOT CAUSE/	AMPLIF	ICATION	1							STEP#		
SYSTEM LEVE	L IMPA	CT:								"		
TECHNICIAN M	IARK A	PPROPE	RIATE BL	OCKS:		UI	PLOAD	VALIDAT	ION INF	ORMATION / CORRECT	IONS	TO SNAP:
2-KILO IS:							Υ	ES				
VALID (I		RECTION	S)			-						
FOUND				ı	NO							
COMPLETED BY SEMAT CANCEL (WORK NOT REQUIRED)						_						
NOT VA	•		,									
FIRST CONTAC	FIRST CONTACT RATE SECOND CONTACT RATE PHONE MCGEORGE EN2 MEREDITH EN2											
BLUEPRINTS:	TECH N				шп		LINZ				II .	N BRD
ASSESSOR: J. LaRock QED SYSTEMS INC.						TD	TL		LO	GISTICIAN		ES NO PAGE NO
CODE:			E: 757-49									
CODE.		FITUNI	<u>∟. /3/-48</u>	7U-JU41			1					

<u>USS LABOON (DDG-58)</u> AUXILIARY MACHINERY ROOM NO. 2 (4-220-0-E)



CORROSION AND TRAPPED WATER ON TANK TOP AFT OF A/C PLANT NO. 2 ${\rm CSMP}\,/\,{\rm JSN}\text{-}1426$



CORROSION AND TRAPPED WATER ON TANK TOP OUTBOARD OF A/C PLANT NO. 2 (CSMP / JSN-1426). THIS PROBLEM IS COMMON IN ALL ENGINEERING SPACES.

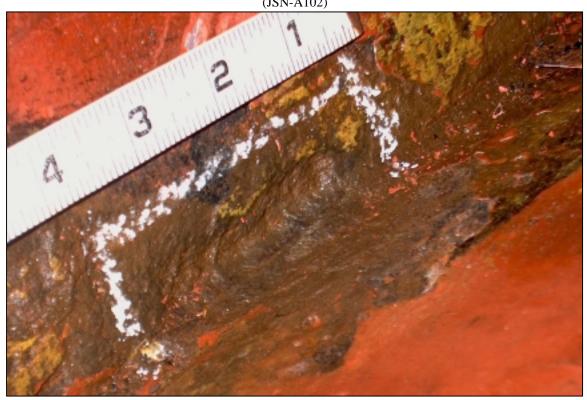
MATERIAL ASSESSMENT FORM

ITEM NUMBER								ĺ	SHIP					
										USS LABOON (I	DDG-58)		
SYSTEM SHELL & SUPPORT	ING STRU	JCTURE	110	swbs 11011	E	іс A10	0	APL	Χ-	SYSTEMS	RII	N N/L		
EQUIPMENT NAME				IDENT/SERIAL		7110	LOCA		WO	RK CENTER	JSI	V		
HULL STRUCTURE 1 EQUIPMENT STATUS	1102XY		PROBLEM S	TATUS	N/A	I		4-174-0-E	CATEGORY	EMO2		A102 EOC		
	.,					1.C. DEDC	ONNEL CAFE	TV	OATEOORI			200		
1. SAT - SATISFACTOR 2. UNSAT - UNSATISFAC	TORY		2. A	- CORRECTED - AWAITING PARTS		2. Z - EQUI				4. D - DOWN 5. L - LIMITED		.9		
3. TNA - TEST NOT ATT 4. TNC - TEST NOT CON	//PLETED		4.S	- AWAITING TECH A - SHIP'S FORCE		3. H – HAF	DWARE					.9		
5. NOB - EQUIPMENT NO TYPEAVAILABILITY	WH	EN TO BE		STATUS	S	CAUSE				DEFERRAL REASON				
1. DEPOT		OMPLISHED MMEDIATELY		1. OPERATIONAL		1. ABNORM	AL ENVIRON	MENT		S/F BACKLOG/OPERATIONAL PRIORTY				
2. IMA		RIOR TO NE		2. NON-OPERATIONA	AI	2. MANFAC		ALLATION DEFECT	rs	LACK OF MATERIAL NO FORMAL TRAINING OF		1FNT		
3. TECH ASSIST		DERWAY		3. REDUCED CAPABI		4. COMMUN	IICATION PR		DE	FORMAL TRAINING INADE EQUIPMENT				
4. SHIP'S FORCE		IROR TO NE	EXT	4. NOT APPLICABLE		INADEQU	IATE DESIGN	J		INADEQUATE SCHOOL PRACTICAL TRAINING				
5. SFWL		OURING POST	r	4. NOT ALL ETOABLE		8. NOT APP		J ILAK		LACK OF FACILITIES/CAPABILITIES NOT AUTHORIZED FOR S/F ACCOMPLISHMENT FOR S/F OVERHAUL OR AVAILABILITY WORK				
J. JI WE	DEP	PLOYMENT VAILABILITY								LIST 9. LACK OF TECHNICAL DOC		OKK		
		10/30/0								10. OTHER OR NOT APPLICA				
MAN HRS EXPENDED 2		MAN HRS F	REMAINING 300)	COMPLET	TED ACTION T	AKEN		S/F	MANHOURS	PR	IORTY		
SAFETY HAZARD:				,				D: PARTS DRAWN				MANDATORY		
1. SERIOUS - CORRECT : 2. SERIOUS - SUSPENSI	ON OF EQU	IPMENT/SY	STEM/SPAC	E REQUIRED	3. MAINTE	ENANCE ACTION	COMPLETE	D: REQUIRED PAR D: NO PARTS REQ	UIRED	FROM SUPPLY	3.	ESSENTIAL HIGHLY		
3. SERIOUS - WAVIER O 4. SAFETY ITEM - MINO	R	NT/SYSTEN	Л		5. MAINTE	ENANCE ACTION	COMPLETE	EMOVED FROM CS D: 3-M CAPABILIT	Y UTILIZED			DESTRABLE DESTRABLE		
5. COMBUSTIBLE MATER		IDTION	· DED SI	EMAT II IIND				REMARKS/DESCE		<u> </u>	LENGINE	DOOM 1		
										TE MEETS SHELL P		IXOOW 1		
										STAGE CRITERIA.		NOION		
										OW POWER PANEL				
BEHIND AND I							OLKS I	DEIIIND A	IND DELC	JW TOWERTANE	L (4-101-	2) AND		
RECOMMENDE			EEED W	TITER COLL	Lemie) 1711 (IX.								
			GRIND V	WASHOUT TO	CLEAN M	IETAL AND	RE-WE	LD APPROX	(IMATELY	18" OF AFFECTED AR	REA, PERF	ORM NDT.		
RECOMMEND CLI	EANING	STRING	ERS TO	BARE METAL, F	PRIME A	ND PAINT.								
SSPORT C221 F	POC: B.	WILLIA	AMS (75	7) 396-4001	EXT 21	66, TPO	C: C. Bl	JCK 396-4	001					
CSMP SUMMAR			ND					0.00		TEST#				
SHELL PLATE				STRIINGER A	AFT OF	WEB FRA	AME (1	80)		MRC 1102/1				
ROOT CAUSE/A	WIPLIF	ICATIO	N:							STEP# 1,2,3,4 & 5				
SYSTEM LEVEL	IMPAC:	T·								1,2,3,4 & 3				
PART NO.				NOMEMCLAT	URE			QTY	NSN			COST		
1														
2														
3														
4														
 														
5									_					
6 CONTAC	_	D.4.7		05001	D 0017	ACT		D		HONE				
FIRST CONTACT MANN	I	RAT DC			D CONT IBRACK			RATE DC1	∥ P	HONE				
ASSESSOR / ACT	<u> </u>		Т	D	TL	LOGI	STICIAN	1	TSP					
	I. Larock/ T. Ilgenfritz QED SYSTEMS INC.													

USS LABOON (DDG-58) MAIN ENGINE ROOM NO. 1 (4-174-0-E) PORT SIDE



POWER PANEL (4-181-2), APPROXIMATELY 8 FT AFT OF BHD (174). DEEP WASHOUT OF WELD AT $2^{\rm ND}$ STRINGER FROM MARGIN PLATE. (SIDE OF TANK). (JSN-A102)



<u>USS LABOON (DDG-58)</u> <u>MAIN ENGINE ROOM NO. 1 (4-174-0-E)</u> PORT SIDE



HEAVY PITTING AND DEEP WASHOUT OF WELD ON 2ND STRINGER FROM MARGIN PLATE
APPROXIMATELY 1 FT AFT OF WEB FRAME (180)
(JSN-A102)



 4^{TH} STRINGER UP FROM MARGIN PLATE BEHIND POWER PANEL (4-181-2), HEAVY PAINT SEPARATION.

<u>USS LABOON (DDG-58)</u> <u>MAIN ENGINE ROOM NO. 1 (4-174-0-E)</u> PORT SIDE



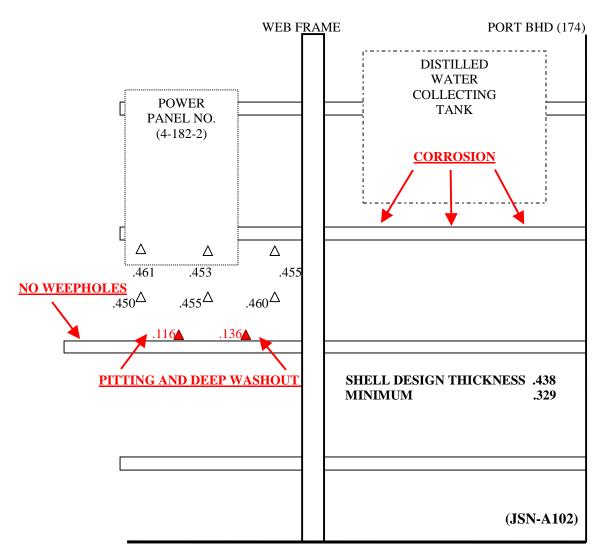
DISTILLED WATER COLLECTING TANK AT BHD (174) AND PORT SIDE SHELL. CORROSION AND HEAVY PAINT SEPARATION WERE FOUND ON STRINGERS BEHIND AND BELOW TANK.

(JSN-A102)



CORROSION ON STRINGER BELOW COLLECTING TANK

<u>USS LABOON (DDG-58)</u> MAIN ENGINE ROOM NO. 1 (4-174-0-E)



MARGIN PLATE / SIDE OF TANK

J. Larock / T. Ilgenfritz QED SYSTEMS INC. 01/09/02

MATERIAL ASSESSMENT FORM

ITEM NUMBER							SHIP					
aver-1			11			1		USS LABOON (D				
SYSTEM SHELL & SUPPORT		11011	EIG	A100		APL	X-9	SYSTEMS		RIN N/L		
EQUIPMENT NAME	140000	IDENT/SERIAL			LOCAT		WOI	RK CENTER	J	SN		
HULL STRUCTURE 1	I TUZXY PROBLEM	STATUS	N/A	1		4-174-0-E	CATEGORY	EMO2		A104 EOC		
		C - CORRECTED		1 C DEDCOM	IEI CAEET	v		4. D - DOWN				
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFAC	TORY 2.	A - AWAITING PARTS	CT4	1. S - PERSONN 2. Z - EQUIPME	NT SAFET			5. L - LIMITED		.9		
3. TNA - TEST NOT ATT 4. TNC - TEST NOT CON 5. NOB - EQUIPMENT NO	MPLETED 4.	T - AWAITING TECH ASSI S - SHIP'S FORCE		3. H – HARDV	VARE					. 7		
5. NOB - EQUIPMENT NO TYPEAVAILABILITY	WHEN TO BE	STATUS STATUS	<u> </u>	CAUSE				DEFERRAL REASON				
1. DEPOT	ACCOMPLISHED 1. IMMEDIATELY	1. OPERATIONAL		1. ABNORMAL I	ENVIRONN	IENT		1. S/F BACKLOG/OPERATIO	NAL PRI	ORTY		
2. IMA	2. PRIOR TO NEXT	2. NON-OPERATIONAL	L	MANFACTUR LACK OF KN		LATION DEFECTS		LACK OF MATERIAL NO FORMAL TRAINING ON T	HIS EQUIF	PMENT		
3. TECH ASSIST	UNDERWAY	3. REDUCED CAPABIL	ITY	 COMMUNICA INADEQUAT 		BLEMS TION/PROCEDURE	<u> </u>	 FORMAL TRAINING INADEQUE EQUIPMENT 	JATE IN TI	HIS		
4. SHIP'S FORCE	3.PIROR TO NEXT DEPLOYMENT	4. NOT APPLICABLE		6. INADEQUAT 7.NORMAL W		TEAR		5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES				
5. SFWL	4. DURING POST			8. NOT APPLIC	ABLE			NOT AUTHORIZED FOR S/F ACCOMPLISHMENT FOR S/F OVERHAUL OR AVAILABILITY WORK				
	DEPLOYMENT AVAILABILITY				LIST 9. LACK OF TECHNICAL DOCUMENTATION							
								10. OTHER OR NOT APPLICABL				
MAN HRS EXPENDED	MAN HRS REMAINING 1(COMPLET	ED ACTION TAKE	EN		S/F	MANHOURS	P	PRIORTY		
SAFETY HAZARD:		,		NANCE ACTION CO						. MANDATORY		
	ON OF EQUIPMENT/SYSTEM/SPA	ACE REQUIRED	3. MAINTEI	NANCE ACTION CO NANCE ACTION CO	MPLETED:	NO PARTS REQUI	RED	FROM SUPPLY		. ESSENTIAL B. HIGHLY		
3. SERIOUS - WAVIER O 4. SAFETY ITEM - MINOI	R		5. MAINTEI	LED - DEFERRAL W NANCE ACTION CO	MPLETED:	3-M CAPABILITY	UTILIZED		4	DESIRABLE DESIRABLE		
5. COMBUSTIBLE MATER	DESCRIPTION: PER S	SEMAT II LINDE		F THE ABOVE, DES					ENGIN	IE DOOM 1		
	TER ON TANK TOP U											
	PARATION. APPRO			OLINGTO	1711 111	0. 2 m D I	IKETON	ir 110.5 Cheshio	COIN	COBIOIN		
THYBITHHYIBE	THUITION, THING	THOUSE TO	51									
RECOMMENDE	D REPAIRS:											
RECOMMEND S	HIPS FORCE CLEAN	AREA TO BARE	METAL	., PRIME A	ND PA	AINT APPR	OXIMATE	ELY 10 SF.				
SSPORT C221 F	POC: B. WILLIAMS (7	57) 396-4001	EXT 21 <i>6</i>	66, TPOC:	C. BU	CK 396-40	01					
								<u></u>				
CSMP SUMMA								TEST#				
	TER CAUSING CORR	OSION ON TAI	NK TOP) <u>. </u>				MRC 1102/1				
H1	MPLIFICATION:							STEP# 1,2,3,4 & 5				
SYSTEM LEVEL	IMPACT:							1,2,3,4 & 3				
3.3.2.0.2.0.2												
PART NO.		NOMEMCLATU	JRE			QTY	NSN			COST		
1												
2												
3							1					
4							1					
							-					
5							-					
6			2 001:	A O.T.								
FIRST CONTACT MANN	T RATE DC1	SECONI ALCOM		ACT		RATE DC1	∥ PI	HONE				
ASSESSOR / ACT		ALGOM	TD		TL	LOGI	STICIAN		TSP			
	LGENFRITZ QED SY	STEMS INC.					2001					

USS LABOON (DDG-58) MAIN ENGINE ROOM NO. 1 (4-174-0-E) PORT SIDE



CORROSION AND TRAPPED WATER ON TANK TOP UNDERNEATH NO. 2 SALT WATER COOLING PUMP. (JSN-A104)



CORROSION AND WATER ON TANK TOP UNDERNEATH OF FIRE PUMP NO. 3

ITEM NUMBER								SHIP USS LABOON (DDG-58)						
SYSTEM HULL DECKS	<u> </u>		SWBS	EIC	U00000)O	APL		X-SYSTEMS	714 (0000	RIN			
EQUIPMENT NAME TANK TOP		0	IDENT/SERIA NONE	AL	000000	LOCA	TION 4-126-0-E		WORK CENTER EA01		JSN 1623			
EQUIPMENT STA	TUS	Р	ROBLEM STATU	JS				CATEG	ORY		EOC			
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPT 4. TNC - TEST NOT COMPLET 5. NOB - EQUIPMENT NOT ON	ΓED	2. A 3. T 4.S	- CORRECTED - AWAITING PARTS - AWAITING TECH AS - SHIP'S FORCE CORRECTED PROBLE	SIST*	1. S - PERSO 2. Z - EQUIPM 3. H – HARDN 4. D - DOWN 5. L - LIMITED	MENT SAFE								
TYPEAVAILABILITY	WHEN TO ACCOMP		STATU	s		CA	JSE		DEFE	RRAL REAS	SON			
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATEL 2. PRIOR TO N UNDERWAY 3. PIROR TO NE DEPLOYMENT 4. DURING POSI DEPLOYMENT AVAILABILIT DEADLIN DATE: 12/23/200	EXT ST Y	OPERATIONAL NON-OPERATION REDUCED CAPAE NOT APPLICABLE	BILITY	1. ABNORMA 2. MANFACTI 3. LACK OF K 4. COMMUNI 5. INADEQUA 6. INADEQUA 7. NORMAL W 8. NOT APPL	URER/INSTA KNOWLEDGI CATION PRO ATE INSTRU ATE DESIGN VEAR AND 1	2. LACK OF MATERIAL 3. NO FORMAL TRAINING 4. FORMAL TRAINING IN EQUIPMENT 5. INADEQUATE SCHOO 6. LACK OF FACILITIES/ 7. NOT AUTHORIZED FO 8. FOR S/F OVERHAUL C 9. LACK OF TECHNICAL	NO FORMAL TRAINING ON THIS EQUIPMENT FORMAL TRAINING INADEQUATE IN THIS						
MAN HRS EXPENDED	MAN HF	COMPLE	TED ACTI	ON TAKE	EN	:	S/F MANHOURS		PRIORTY					
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL CORROSION ON TANK TOP UNDER A/C PLANT NO. 1, BELOW (HD-1140 / SPY 1D) WATER COOLER AND ON TANK TOP CAUSIING CORROSION IN ENT SPACE. XXXX SHIPS FORCE TO PRESERVE, PRIME AND PAINT TO SPECIFICATIONS.														
CSMP SUMMARY: ENTIRE AREA UNDE			1, WATER CO	OLER AND	BILGE I	EDUCTO	OR CORR	RODED.	TEST#					
ROOT CAUSE/AMPL		1							STEP#					
SYSTEM LEVEL IMP TECHNICIAN MARK 2-KILO IS:		D CONTA	-		res NO	TION INF	FORMATION / COI	RRECTION	NS TO SNAP:					
SCHULTZ. EN2 ENS COSMAS										ON DDD				
BLUEPRINTS: TECH MANUALS, PLANS, ETC.					1	11		II	ALOTIC::::		ON BRD YES NO			
ASSESSOR: J. LAR	7	TD	TL		LC	OGISTICIAN		PAGE NO						

<u>USS LABOON (DDG-58)</u> <u>AUXILIARY MACHINERY ROOM NO. 1 (4-126-0-E)</u>

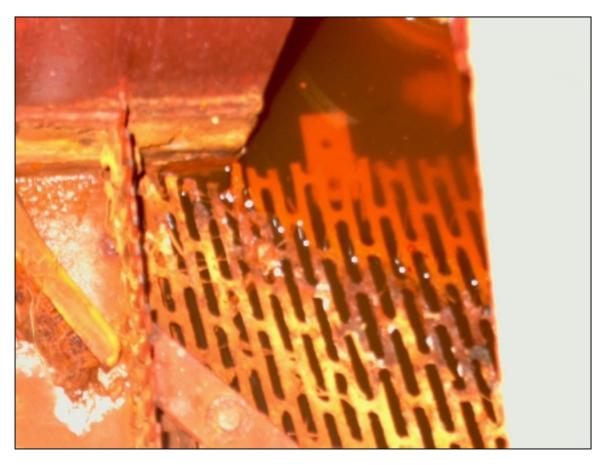


CORROSION ON TANK TOP UNDER A/C PLANT NO. 1 (CSMP/JSN-1623)



CORROSION ON TANK TOP BELOW HD (1140) / SPY-1D WATER COOLER

<u>USS LABOON (DDG-58)</u> <u>AUXILIARY MACHINERY ROOM NO. 1 (4-126-0-E)</u>



CORROSION ON TANK TOP AT BILGE EDUCTOR. (CSMP / JSN-1623) NUMEROUS DRAINS ARE PIPED DIRECTLY ON TO TANK TOP CAUSING CORROSION IN ENTIRE SPACE.

ITEM NUMBE	R								SHIP			
SYSTEM			l e	SWBS	EIC			APL		USS LABOON (DI		IN
HULL DECKS				301		A50000				X-SYSTEMS		
EQUIPMENT NAM DECKS, HULL	ИE			NONE	NL		LOCATION WORK CENTER JSN EMO2 1			SN 1119		
EQUIPMENT		S	Р	ROBLEM STATU	JS				CATE	GORY		EOC
1. SAT - SATISFACTORY 1. C - CORRECTED 2. UNSAT - UNSATISFACTORY 1. C - CORRECTED 3. TNA - TEST NOT ATTEMPTED 2. A - AWAITING PARTS 4. TNC - TEST NOT COMPLETED 3. T - AWAITING TECH ASS 5. NOB - EQUIPMENT NOT ONBOARD 4.5 - SHIPS FORCE "UNCORRECTED PROBLEI			SIST*	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED								
TYPEAVAILABI LITY			WHEN TO BE STATUS		s		CA	USE		DEFERRAL	REASO	N .
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	3.PIROR 4. DURIN AVAILA	DIATELY TO NEXT UN TO NEXT DEI G POST DEPI ABILITY	PLOYMENT LOYMENT	OPERATIONAL NON-OPERATION REDUCED CAPAE NOT APPLICABLE	IAL BILITY	LACK OF KCOMMUNIC	RER/INST. NOWLEDG ATION PR TE INSTRU TE DESIGN EAR AND	ALLATION DEF E OBLEMS ICTION/PROCE I		2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON TH 4. FORMAL TRAINING INADEQU/ EQUIPMENT 5. INADEQUATE SCHOOL PRACT 6. LACK OF FACILITIES/CAPABI 7. NOT AUTHORIZED FOR S/F A(8. FOR S/F OVERHAUL OR AVAIL 9. LACK OF TECHNICAL DOCUM	NO FORMAL TRAINING ON THIS EQUIPMENT FORMAL TRAINING INADEQUATE IN THIS	
MAN HRS EXPEN	IDED	MAN HF	RS REMAI	NING	COMPLE	TED ACTIO	ON TAKI	ΞN		S/F MANHOURS	Р	RIORTY
SAFETY HAZARD: 1. SERIOUS - CORRECT 2. SERIOUS - SUSPENS 3. SERIOUS - WAVIER C 4. SAFETY ITEM - MINO 5. COMBUSTIBLE MATE	ION OF EQUIPMENT R	JIPMENT/SYS	E BTEM/SPACE	REQUIRED	2. MAINTENA 3. MAINTENA 4. CANCELLE 5. MAINTENA	MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED MONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION					2. 3.	MANDATORY ESSENTIAL HIGHLY DESIRABLE DESIRABLE
EVALUATION	I, SOLU	JTION A	AND COI	RRECTION								
CSMP SUMMA										TEST#		
ROOT CAUSE/			J							STEP#		
SYSTEM LEVE	L IMPA	CT:										
SYSTEM LEVEL IMPACT: TECHNICIAN MARK APPROPRIATE BLOCKS: 2-KILO IS: VALID (NO CORRECTIONS) X REWRITE (VALID) FOUND COMPLETE UPLOAD VALIDATION INFORMATION / CORRECTIONS TO YES NO						TO SNAP:						
COMPL CANCE	L (WORI	NOT RE	QUIRED)	ų.		-						
FIRST CONTAC BROWN. GSM2		RA	TE	SECON GSM1 F	D CONTAC	СТ	RAT	E		PHONE		
BLUEPRINTS:		IANUAL	S, PLAN				-11			1		ON BRD (ES NO
ASSESSOR: J.	LARO	CK QED	SYSTEM	S INC		TD	TL		L	OGISTICIAN		PAGE NO
CODE:	: PHONE: 757-490-5047											

<u>USS LABOON (DDG-58)</u> <u>GENERATOR ROOM NO. 3 (3-370-0-E)</u>



AT BHD (370) TO APPROXIMATELY 7FT AFT OF BHD (370) APPROXIMATELY 40 SF OF TANK TOP / DECK HAS CORROSION ON STBD SIDE. (CSMP / JSN-1119)

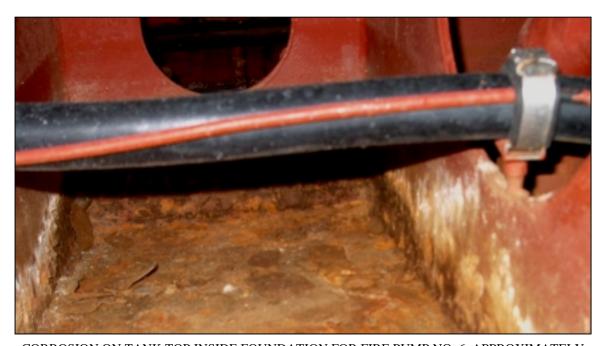


FOUNDATION FOR FIRE PUMP NO. 6; APPROXIMATELY 7FT AFT OF BHD (370). (CSMP / JSN-1119)

<u>USS LABOON (DDG-58)</u> <u>GENERATOR ROOM NO. 3 (3-370-0-E)</u>



TANK TOP AFT OF FIRE PUMP NO. 6 (CSMP / JSN-1119)



CORROSION ON TANK TOP INSIDE FOUNDATION FOR FIRE PUMP NO. 6 APPROXIMATELY 7FT AFT OF BHD (370). $(\text{CSMP}\,/\,\text{JSN-}1119)$

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3-6-2-Q	N	N	N	N	UNASSESSABLE
3-18-0-Q	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-39-1-T	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-42-0-M	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-42-2-M	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-62-1-M	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-68-2-M	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-78-1-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-78-2-A	Y	Y	Y	N	SPACE 100% ASSESSABLE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3-97-1-T	Y		Y	N	SPACE 100% ASSESSABLE
3-97-02-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-116-1-T	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-126-2-Q	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-158-3-T	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-164-4-T	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-174-1-F	N	N	N	N	GAS FREE REQUIRED
3-185-1-F	N	N	N	N	GAS FREE REQUIRED
3-195-1-F	N	N	N	N	GAS FREE REQUIRED
3-204-1-F	N	N	N	N	GAS FREE REQUIRED

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3-212-1-F	N	N	N	N	GAS FREE REQUIRED
3-220-01-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-220-2-Q	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-254-2-F	N	N	N	N	GAS FREE REQUIRED
3-263-2-F	N	N	N	N	GAS FREE REQUIRED
3-272-2-F	N	N	N	N	GAS FREE REQUIRED
3-281-2-F	N	N	N	N	GAS FREE REQUIRED
3-291-2-F	N	N	N	N	GAS FREE REQUIRED
3-300-1-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-300-2-L	Y	Y	Y	N	SPACE 100% ASSESSABLE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3-310-2-L					SPACE 100% ASSESSABLE
3-325-1-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-338-1-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-338-2-L	Y	Y	Y	И	SPACE 100% ASSESSABLE
3-338-5-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-338-6-L	Y	Y	Y	N	SPACE 100% ASSESSABLE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4-P-0-W	N	N	N	N	GAS FREE REQUIRED
4-U-0-V	N	N	N	N	GAS FREE REQUIRED
4-22-0-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-42-0-Q	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-78-1-F	N	N	N	N	GAS FREE REQUIRED
4-78-2-F	N	N	N	N	GAS FREE REQUIRED
4-94-0-C	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-110-0-E	Y	BHD	Y	N	SPACE 100% ASSESSABLE
4-110-1-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-126-0-E	Y	Y	Y	N	SPACE 100% ASSESSABLE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4-126-1-W	N	N	N	N	GAS FREE REQUIRED
4-126-2-W	N	N	N	N	GAS FREE REQUIRED
4-150-1-W	N	N	N	N	GAS FREE REQUIRED
4-150-2-W	N	N	N	N	GAS FREE REQUIRED
4-174-0-E	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-174-1-F	N	N	N	N	GAS FREE REQUIRED
4-208-1-F	N	N	N	N	GAS FREE REQUIRED
4-220-0-E	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-220-1-F	N	N	N	N	GAS FREE REQUIRED
4-220-4-F	N	N	N	N	GAS FREE REQUIRED

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4-254-0-E	Y	Y	Y	Y	SPACE 100% ASSESSABLE
4-370-1-J	N	N	N	N	GAS FREE REQUIRED
4-370-2-F	N	N	N	N	GAS FREE REQUIRED
4-370-3-F	N	N	N	N	GAS FREE REQUIRED
4-370-4-F	N	N	N	N	GAS FREE REQUIRED
4-370-5-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-370-6-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-386-0-J	N	N	N	N	GAS FREE REQUIRED
4-390-0-J	N	N	N	N	GAS FREE REQUIRED
4-402-0-J	N	N	N	N	GAS FREE REQUIRED

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4-410-0-V	N	N	N	N	GAS FREE REQUIRED
4-410-1-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-410-2-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-426-0-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-442-0-E	Y	Y	Y	N	SPACE 100% ASSESSABLE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5-2-0-Q	N	N	N	N	(CABLE TRUNK)
5-28-0-T	N	N	N	N	GAS FREE REQUIRED
5-34-0-V	N	N	N	N	GAS FREE REQUIRED
5-42-0-F	N	N	N	N	GAS FREE REQUIRED
5-78-1-F	N	N	N	N	GAS FREE REQUIRED
5-78-2-F	N	N	N	N	GAS FREE REQUIRED
5-106-1-T	N	N	N	N	UNASSESSABLE
5-126-1-F	N	N	N	N	GAS FREE REQUIRED
5-126-2-F	N	N	N	N	GAS FREE REQUIRED
5-126-3-T	N	N	N	N	UNASSESSABLE

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5-174-1-F	N	N	N	N	GAS FREE REQUIRED
5-174-2-F	N	N	N	N	GAS FREE REQUIRED
5-174-4-F	N	N	N	N	GAS FREE REQUIRED
5-177-1-F	N	N	N	N	GAS FREE REQUIRED
5-204-1-V	N	N	N	N	GAS FREE REQUIRED
5-206-1-F	N	N	N	N	GAS FREE REQUIRED
5-212-2-W	N	N	N	N	GAS FREE REQUIRED
5-212-4-F	N	N	N	N	GAS FREE REQUIRED
5-214-1-F	N	N	N	N	GAS FREE REQUIRED
5-220-1-F	N	N	N	N	GAS FREE REQUIRED

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5-220-2-F	N	N	N	N	GAS FREE REQUIRED
5-220-3-F	N	N	N	N	GAS FREE REQUIRED
5-220-4-F	N	N	N	N	GAS FREE REQUIRED
5-254-1-F	N	N	N	N	GAS FREE REQUIRED
5-254-2-F	N	N	N	N	GAS FREE REQUIRED
5-254-3-F	N	N	N	N	GAS FREE REQUIRED
5-254-4-V	N	N	N	N	GAS FREE REQUIRED
5-254-6-F	N	N	N	N	GAS FREE REQUIED
5-264-2-F	N	N	N	N	GAS FREE REQUIERD
5-292-1-F	N	N	N	N	GAS FREE REQUIRED

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5-292-2-W	N	N	N	N	GAS FREE REQUIRED
5-296-1-F	N	N	N	N	GAS FREE REQUIRED
5-300-01-E	Y	Y	Y	N	SPACE 100% ASSESSABLE
5-300-1-F	N	N	N	N	GAS FREE REQUIRED
5-300-2-F	N	N	N	N	GAS FREE REQUIRED
5-300-4-F	N	N	N	N	GAS FREE REQUIRED
5-338-1-F	N	N	N	N	GAS FREE REQUIRED
5-338-2-F	N	N	N	N	GAS FREE REQUIRED
5-354-0-F	N	N	N	N	GAS FREE REQUIRED
5-370-0-F	N	N	N	N	GAS FREE REQUIRED
5-378-0-V	N	N	N	N	GAS FREE REQUIRED